Application No.: 10/808,518 Docket No.: 0425-1029PUS2 Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 10 of 18

AMENDMENTS TO THE DRAWINGS

Attached hereto is one (1) replacement drawing sheet that complies with the provisions of 37 C.F.R. § 1.84. The replacement drawing sheet incorporates the following drawing changes:

In Fig. 3, a line extending from reference numeral 27 has been amended to extend to the circular stepped portion.

It is respectfully requested that the replacement drawing sheet be approved and made a part of the record of the above-identified application.

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 11 of 18

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<u>REMARKS</u>

Claims 1-17 are pending in the application. Claims 8-11, 12/8, 13, and 15-16 have been

withdrawn from consideration. New claim 17 has been added.

Restriction Requirement

In the Office Action dated July 19, 2005, the Examine issued a restriction requirement

between claims 1-12 and claim 13.

In the Reply filed on October 19, 2005, Applicants elected claims 1-12 without traverse.

In the Office Action dated December 27, 2005, the Examiner states that claims 8-11,

12/8, 13, and 15-16 have been withdrawn from consideration as being directed to the non-elected

method for making an igniter.

More specifically, the Examiner states that claim 8, as amended (in the Reply filed on

October 15, 2005), is directed to the non-elected method for making an igniter.

Applicants respectfully disagree because claim 8, as amended, was written in an

apparatus claim form including a "wherein" clause, and recites substantially the same elements

as those recited in the original claim 8.

The Examiner also states that claim 8 would also be restricted on the grounds of sub-

combinations usable together in view of applicant's election of group I igniter assembly as

described in claims 1 and 4.

The Examiner, however, has failed to show, "by way of example, that one of the

subcombinations has utility other than in the disclosed invention" (see MPEP 806.05(d)).

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 12 of 18

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In view of the foregoing, Applicants respectfully submit that this restriction is improper

and should be withdrawn.

Further, claim 8 has been amended such that it is now clearly directed to an apparatus.

Substitute Specification

The Examiner has objected to the Substitute Specification filed on October 19, 2005

because it was not accompanied by a statement that it contains no new matter.

A new Substitute Specification containing the changes that were made in the substitute

specification filed on October 19, 2005 as well as correction of a paragraph numbering error on

page 1 and the correction of several typographical/grammatical errors in paragraphs [0004],

[0013], and [0060] is submitted herewith. The Substitute Specification contains no new matter.

A new Comparison Specification showing the matter being added to and deleted from the

original specification is also submitted herewith.

The Examiner is respectfully requested to approve and enter the Substitute Specification.

Drawing Changes

In Fig. 3, a line extending from reference numeral 27 has been amended to extend to the

circular stepped portion so that it is consistent with the statements in the specification..

The Examiner is respectfully requested to approve and enter this drawing change.

Docket No.: 0425-1029PUS2

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 13 of 18

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Claim Rejections – 35 U.S.C. § 112

Claims 3-7 have been rejected under 35 U.S.C. § 112, second paragraph because of some

Docket No.: 0425-1029PUS2

informalities.

The rejected claims have been amended to overcome this rejection.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

Claim Rejections - 35 U.S.C. § 102

(a) Claims 1-2, 4, 6, 12/1, 12/4, and 14 have been rejected under 35 U.S.C. § 102(e)

as being anticipated by Avetisian (USP 6,508,175). This rejection is respectfully requested.

Avetisian discloses, in Fig. 1, an initiator 2 including an igniter 8, a retainer 4 that

surrounds the igniter 8 and including a flange 16 and a molding feature 24, and a non-conductive

body 6 provided between the igniter 8 and the retainer 4.

In Avetisian, the molding feature 24 (corresponds to the "first protruding portion" recited

in claim 1 of the present invention) has an inner surface that consists of two surfaces (a first

surface that extends upward and a second surface that extends from an upper end of the first

surface at approximately 45 degrees).

In contrast, in the claimed invention of the present application, "an entire inner surface of

the first protruding portion" forms "only a single surface."

Accordingly, Avetisian fails to disclose or suggest the "first protruding portion" as

recited in claim 1.

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 14 of 18

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Further, in Avetisian, the entire outer surface of the igniter is covered by the non-

conductive body 6, and an outer surface of the non-conductive body 6 is covered by a cup 20.

Such a structure is necessary to withstand the pressure inside the sealed gas unit 18 (see

Abstract). Therefore, an output (i.e., an explosive force) of the igniter must be large enough to

destroy the non-conductive body 6 as well as the cup 20.

In contrast, the claimed invention of the present application, "at least an upper portion of

the igniter is not covered by the resin." Therefore, the igniter need not have an output (explosive

force) large enough to destroy the resin. Therefore, a smaller igniter can be used.

Claims 2, 12/1, and 14, dependent on claim 1, are allowable at least for their dependency

on claim 1.

Claim 4 is allowable at least for the similar reasons as stated in the foregoing with regard

to claim 1.

Clams 6 and 12/4, dependent on claim 4, are allowable at least for their dependency on

claim 4.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(b) Claims 1-2, 4, and 14 have been rejected under 35 U.S.C. § 102(e) as being

anticipated by Yabuta et al. (USP 6,508,175). This rejection is respectfully requested.

Yabuta discloses, in Fig. 2, an initiator assembly including an initiator 32, a metal collar

40 that surrounds the initiator 32 and having a circular portion (generally indicated by reference

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 15 of 18

numeral 41) extending from an upper end of the metal collar 40, and a resin portion 36 provided

between the initiator 32 and the metal collar 40.

In Yabuta, an inner surface of the circular portion (41) (corresponds to the "first

protruding portion" recited in claim 1 of the present application) has a first vertical surface that

extends from the metal collar 40, a horizontal surface that extends radial inward from an upper

end of the first vertical surface, and a third surface that extends vertically from an innermost end

of the second surface.

In contrast, in the claimed invention of the present application, "an entire inner surface of

the first protruding portion" forms "only a single surface."

Accordingly, Yabuta fails to disclose or suggest the "first protruding portion" as recited

in claim 1.

Further, as shown in Fig. 2 of in Yabuta, the peripheral surface 41 is not covered by the

resin portion 36. Therefore, when the resin portion 36 shrinks after injection molding, a space or

a gap may be formed between the metal collar 40 and the resin portion 36, and thus moisture

may enter into the gap.

In contrast, in the claimed invention of the present application, "an outer surface of the

cylindrical portion of the first protruding portion is covered by the resin." Therefore, even if a

similar gap is formed between the inner surface of the first protruding portion and the resin after

injection molding, the resin covering the outer surface of the cylindrical portion of the first

protruding portion prevents moisture from entering into the gap.

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 16 of 18

Claims 2 and 14, dependent on claim 1, are allowable at least for their dependency on claim 1.

Claim 4 is allowable at least for the similar reasons as stated in the foregoing with regard to claim 1.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

Claim Rejections - 35 U.S.C. § 103

(a) Claims 3 and 7 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Avetisian in view of Dietzel et al. (USP 3,960,083). This rejection is respectfully traversed.

Claim 3, dependent on claim 1, is allowable at least for its dependency on claim 1.

Claim 7, dependent on claim 4, is allowable at least for its dependency on claim 4.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(b) Claim 5 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Avetisian in view of Fogle Jr. (USP 5,691,498). This rejection is respectfully traversed.

Claim 5, dependent on claim 4, is allowable at least for its dependency on claim 4.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(c) Claim 3 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Yabuta in view of Dietzel. This rejection is respectfully traversed.

Claim 3, dependent on claim 1, is allowable at least for its dependency on claim 1.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 17 of 18

(d) Claim 5 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over

Yabuta in view of Fogle Jr.3. This rejection is respectfully traversed.

Claim 5, dependent on claim 4, is allowable at least for its dependency on claim 4.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(e) Claims 12/1 and 12/4 have been rejected under 35 U.S.C. § 103(a) as being

unpatentable over Yabuta in view of Avetisian. This rejection is respectfully traversed.

Claim 12, dependent on claim 1, is allowable at least for its dependency on claim 1.

Claim 12, dependent on claim 4, is allowable at least for its dependency on claim 4.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

New Claim

Claim 17, dependent on claim 8, is allowable at least for its dependency on claim 8.

Upon reconsideration and withdrawal of restriction with regard to claim 8, the Examiner

is respectfully requested to determine the patentability of claim 17.

A favorable determination by the Examiner and allowance of this claim is earnestly

solicited.

Conclusion

Accordingly, in view of the above amendments and remarks, reconsideration of the

rejections and allowance of the pending claims in the present application are respectfully requested.

Docket No.: 0425-1029PUS2

Reply dated April 27, 2006

Reply to Office Action of December 27, 2005

Page 18 of 18

The Examiner is respectfully requested to enter this Reply After Final in that it raises no

new issues. Alternatively, the Examiner is respectfully requested to enter this Reply After Final in

that it places the application in better form for Appeal.

Should there be any outstanding matters that need to be resolved in the present

application, the Examiner is respectfully requested to contact Maki Hatsumi (#40,417) at the

telephone number of the undersigned below, to conduct an interview in an effort to expedite

prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future

replies, to charge payment or to credit any overpayment to Deposit Account No. 02-2448 for any

additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension

of time fees.

Dated: April 26, 2006

Respectfully submitted,

Terrell C. Birch

Registration No.: 19,382

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Docket No.: 0425-1029PUS2

8110 Gatehouse Road

Suite 100 East P.O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

Attorney for Applicant

Attachment: One (1) Replacement Drawing Sheet - Fig. 3

Substitute Specification - 14 pages

Comparison Specification - 15 pages